

| Emulsion Formulas | | Result |
|-------------------|--------------------|---|
| ATB-X100 | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi |
| 8% | Triton X-100 | |
| 8% | Tributyl Phosphate | |
| 64% | Soybean Oil | |
| 1% | CPC | |
| 19% | DiH ₂ O | |
| ATB-T60 | | Slightly less effective than ATB-X100; Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi |
| 5% | Tween 60 | |
| 8% | Tributyl Phosphate | |
| 64% | Soybean Oil | |
| 1% | CPC | |
| 22% | DiH ₂ O | |
| ATB-XT160 | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi |
| 0.71% | Tween 60 | |
| 8% | Triton X-100 | |
| 8% | Tributyl Phosphate | |
| 64% | Soybean Oil | |
| 1% | CPC | |
| 18.29% | DiH ₂ O | |
| ATB-X | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; |
| 5% | Triton X-100 | |
| 5% | Tributyl Phosphate | |
| 40% | Soybean Oil | |
| 1% | CPC | |
| 49% | DiH ₂ O | |
| | | |

FIG. 29

| | | |
|-----------|--------------------|--|
| ATB-X1001 | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi |
| 8% | Triton X-100 | |
| 8% | Tributyl Phosphate | |
| 50% | Soybean Oil | |
| 1% | CPC | |
| 33% | DiH2O | |
| ATB-X1002 | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; more irritating than ATB- X100. |
| 8% | Triton X-100 | |
| 8% | Tributyl Phosphate | |
| 50% | Soybean Oil | |
| 2% | CPC | |
| 32% | DiH2O | |
| ATB-2 | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi |
| 0.1% | Peppermint Oil | |
| 8% | Triton X-100 | |
| 8% | Tributyl Phosphate | |
| 64% | Soybean Oil | |
| 2% | CPC | |
| 17.9% | DiH2O | |
| ATB-CPB | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria |
| 0.1% | Peppermint Oil | |
| 8% | Triton X-100 | |
| 8% | Tributyl Phosphate | |
| 64% | Soybean Oil | |
| 1% | CPB | |
| 18.9% | DiH2O | |
| ATB-1/2 | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi, demonstrates that dilution doesn't effective efficacy of ATB- X100 |
| 0.05% | Peppermint Oil | |
| 4% | Triton X-100 | |
| 4% | Tributyl Phosphate | |
| 32% | Soybean Oil | |
| 0.5% | CPC | |
| 59.45% | DiH2O | |

FIG. 29 (CONT)

| | | |
|---------------|--------------------|---|
| ATB-T3 | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi |
| 3% | Tyloxapol | |
| 8% | Tributyl Phosphate | |
| 64% | Soybean Oil | |
| 1% | CPC | |
| 0.1% | Peppermint Oil | |
| 23.9% | DiH ₂ O | |
| ATB-T3E pH7.1 | | Effective against, all Gram positive bacteria, all Gram negative bacteria and spores |
| 3% | Tyloxapol | |
| 8% | Ethanol | |
| 64% | Soybean Oil | |
| 1% | CPC | |
| 0.1% | Peppermint Oil | |
| 23.8% | DiH ₂ O | |
| 0.1% | 10N NaOH | |
| ATB-T22 | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower amount of detergent |
| 2% | Triton X-100 | |
| 2% | Tyloxapol | |
| 8% | Tributyl Phosphate | |
| 64% | Soybean Oil | |
| 1% | CPC | |
| 0.1% | Peppermint Oil | |
| 22.9% | DiH ₂ O | |
| ATB-1X | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria, and bacterial spores |
| 8% | Triton X-100 | |
| 8% | Tributyl Phosphate | |
| 64% | Soybean Oil | |
| 1% | CPC | |
| 0.1% | Peppermint Oil | |
| 5 mM | Inosine | |
| 5 mM | L-Alanine | |
| 10 mM | Ammonium Chloride | |
| 1 mM | Sodium Phosphate | |
| 13 mM | Sodium Chloride | |
| 18.9% | DiH ₂ O | |

FIG. 29 (CONT)

REPLACEMENT SHEET

| | | |
|----------------|---------------------|---|
| ATB-T22/GE | | Effective against enveloped viruses, all Gram positive bacteria, Gram negative bacteria, and bacterial spores |
| 2% | Triton X-100 | |
| 2% | Tyloxapol | |
| 8% | Tributyl Phosphate | |
| 64% | Soybean Oil | |
| 1% | CPC | |
| 0.1% | Peppermint Oil | |
| 5 mM | Inosine | |
| 5 mM | L-Alanine | |
| 10 mM | Ammonium Chloride | |
| 1 mM | Sodium Phosphate | |
| 13 mM | Sodium Chloride | |
| 22.9% | DiH ₂ O | |
| 90% ATB-T22/GE | | Effective against enveloped viruses, Gram negative bacteria, all Gram positive bacteria, and bacterial spores; liquid enough to spray |
| 1.8% | Triton X-100 | |
| 1.8% | Tyloxapol | |
| 7.2% | Tributyl Phosphate | |
| 57.6% | Soybean Oil | |
| 0.9% | CPC | |
| 0.09% | Peppermint Oil | |
| 5 mM | Inosine | |
| 5 mM | L-Alanine | |
| 10 mM | Ammonium Chloride | |
| 1 mM | Sodium Phosphate | |
| 13 mM | Sodium Chloride | |
| 30.61% | DiH ₂ O | |
| ATB-T22E | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; Increased safety for oral uptake |
| 2% | Triton X-100 | |
| 2% | Tyloxapol | |
| 8% | Ethanol (200 Proof) | |
| 64% | Soybean Oil | |
| 1% | CPC | |
| 0.1% | Peppermint Oil | |
| 22.9% | DiH ₂ O | |
| | | |

FIG. 29 (CONT)

| | | |
|-----------------|---------------------|---|
| 90% ATB-T22E/GE | | Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; Increased safety for oral uptake |
| 1.8% | Triton X-100 | |
| 1.8% | Tyloxapol | |
| 7.2% | Ethanol (200 Proof) | |
| 57.6% | Soybean Oil | |
| 0.9% | CPC | |
| 0.09% | Peppermint Oil | |
| 5 mM | Inosine | |
| 5 mM | L-Alanine | |
| 10 mM | Ammonium Chloride | |
| 1 mM | Sodium Phosphate | |
| 13 mM | Sodium Chloride | |
| 30.61% | DiH ₂ O | |
| ATB-T3E | | Effective against all Gram positive bacteria, all Gram negative bacteria; Increased safety for oral uptake |
| 3% | Tyloxapol | |
| 8% | Ethanol | |
| 64% | Soybean Oil | |
| 1% | CPC | |
| 0.1% | Peppermint Oil | |
| 23.9% | DiH ₂ O | |
| ATB-X100E | | |
| 8% | Triton X-100 | |
| 8% | Ethanol | |
| 64% | Soybean Oil | |
| 1% | CPC | |
| 19% | DiH ₂ O | |
| ATB_Tween 20 E | | Effective against all Gram negative bacteria. |
| 5% | Tween 20 | |
| 1% | CPC | |
| 64% | Soybean Oil | |
| 8% | Ethanol | |
| 22% | DiH ₂ O | |

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FIG. 29 (CONT)